

What we claim is:

1. A device for inputting information, comprising:
a display; and
5 a memory comprising a first set of characters, said first set of characters comprising at least two characters, and a second set of characters, said second set of characters comprising at least two characters,
wherein the characters in the first set of characters
10 are statistically more likely to be selected in successive order than the characters in the second set of characters, and
wherein said display is adapted to display, for selection of which character to input, the first set of
15 characters.
2. The device of claim 1 adapted to select any desired one of the displayed characters if said desired character exists in the displayed first set of characters.
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3. The device of claim 1 adapted to replace, on the display for selection, the first set of characters with the second set of characters if a desired character does not exist in the displayed first set of characters.
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4. The device of claim 3 adapted to select any desired one of the displayed characters if said desired character exists in the displayed second set of characters.
- 30 5. The device of claim 1 comprising a character set switch for replacing the currently displayed set of characters with another set of characters.

6. The device of claim 1 adapted to cluster, on the display for selection, characters within the first set of characters, so that characters that are statistically more likely to be selected in successive order appear closer to
5 each other than characters that are statistically less likely to be selected in successive order.

7. The device of claim 1 adapted to display the characters in the first set of characters on the display in
10 QWERTY-format.

8. The device of claim 1 adapted to display the characters in the first set of characters on the display in alphabetical order.
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9. The device of claim 1, wherein said display is a touch-sensitive display.

10. The device of claim 1, wherein the first set of
20 characters and the second set of characters are based on a specific language used for inputting information.

11. The device of claim 1, embodied as a mobile terminal for a mobile telecommunications system.
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12. A method for inputting information using a display, the method comprising:

defining a first set of characters comprising at least two characters;

30 defining a second set of characters comprising at least two characters,

wherein the characters of the first set of characters are statistically more likely to be selected in successive

order than the characters of the second set of characters;
and

displaying, for selection of which character to input,
the first set of characters on the display.

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13. The method of claim 12 comprising:

selecting any desired one of the displayed characters
if said desired character exists in the displayed first set
of characters.

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14. The method of claim 12 comprising:

replacing, on the display for selection, the first set
of characters with the second set of characters if a desired
character does not exist in the displayed first set of
characters.

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15. The method of claim 14 comprising:

selecting any one of the displayed characters if the
desired character exists in the displayed second set of
characters.

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16. The method of claim 12, wherein the step of

defining the first set of characters and the second set of
characters are based on a specific language used for
inputting information.

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17. The method of claim 12 comprising:

clustering, on the display for selection, characters
within the first set of characters, so that characters that
are statistically more likely to be selected in successive
order appear closer to each other than characters that are
statistically less likely to be selected in successive
order.

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18. The method of claim 12 comprising
displaying the characters in the first set of
characters on the display in QWERTY-format.

5 19. The method of claim 12 comprising
displaying the characters in the first set of
characters on the display in alphabetical order.

10 20. The method of claim 12 performed in a mobile
terminal for a mobile telecommunications system.

21. A software product stored in a memory for
generating a virtual keyboard on a display, the software
product comprising:

15 software code for defining a first set of characters
comprising at least two characters;
software code for defining a second set of characters
comprising at least two characters,
wherein the characters of the first set of characters
20 are statistically more likely to be selected in successive
order than the characters of the second set of characters;
and
software code for displaying, for selection of which
character to input, the first set of characters on the
25 display.

22. The software product of claim 21 comprising:
software code for selecting any desired one of the
displayed characters if said desired character exists in the
30 displayed first set of characters.

23. The software product of claim 21 comprising:
software code for replacing, on the display for
selection, the first set of characters with the second set

of characters if a desired character does not exist in the displayed first set of characters.

24. The software product of claim 23 comprising:
5 software code for selecting any one of the displayed characters if the desired character exists in the displayed second set of characters.

25. The software product of claim 21 comprising:
10 software code for clustering, on the display for selection, characters within the first set of characters, so that characters that are statistically more likely to be selected in successive order appear closer to each other than characters that are statistically less likely to be
15 selected in successive order.

26. The software product of claim 21 comprising:
software code for displaying the characters in the first set of characters on the display in QWERTY-format.
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27. The software product of claim 21 comprising:
software code for displaying the characters in the first set of characters on the display in alphabetical order.
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28. The software product of claim 21 stored in a memory in a mobile terminal for a mobile telecommunications system.